

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A device ~~(10, 20)~~ for wireless control of a lamp ~~(30)~~, the device comprising:

[[-]] a control interface ~~(4, 6)~~, and

[[-]] a body for emitting light, the body comprising at least a first electrode ~~(3, 13)~~ located inside the body;

wherein the control interface ~~(4, 6)~~ is connected to the at least first electrode ~~(3, 13)~~ of the body, and wherein the at least first electrode is used as a first antenna for wireless control of the lamp including reception and transmission of data included in a control signal.

2. (Currently Amended) A The device according to claim 1, wherein the control interface ~~(4)~~ is connected to the at least

first electrode ~~(3, 13)~~ through a capacitive circuit ~~(5)~~.

3. (Currently Amended) A The device according to claim 2, wherein the lamp is a fluorescent lamp ~~(30)~~, and wherein the capacitive circuit ~~(5)~~ ~~is capable of withstanding the~~ withstands an ignition voltage necessary to activate the fluorescent lamp.

4. (Currently Amended) A The device according to claim 1, wherein the control interface ~~(6)~~ is coupled to the at least first electrode ~~(3, 13)~~ through an inductive coupling ~~(7)~~.

5. (Currently Amended) A The device according to claim 1, wherein the control interface ~~(4, 6)~~ is capable of receiving and/or transmitting a radio frequency ~~(RF)~~ signal via the first antenna.

6. (Currently Amended) A The device according to claim 1, further including a user control ~~(40)~~ and wherein the user control comprises a second antenna ~~(9)~~ so that signals ~~can be~~ are transmitted to the first antenna ~~(3, 13)~~.

7. (Currently Amended) A The device according to claim 1, further including a user control ~~(40)~~ and wherein the user control comprises a second antenna ~~(9)~~ so that signals ~~can be~~ are received from the first antenna ~~(3, 13)~~.

Claims 8-9 (Canceled)

10. (New) The device of claim 1, wherein the control signal received by the at least first electrode turns the lamp on or off.

11. (New) The device of claim 1, wherein the control signal received by the at least first electrode causes dimming of the lamp.

12. (New) The device of claim 1, wherein the wireless control of the lamp is in response to the reception the data included in the control signal by the at least first electrode from a user control device having a second antenna for the transmission of the data included in the control signal to the at least first electrode.

13. (New) A method of controlling a lamp having a body and at least one electrode inside the body for generating and maintaining emission of light by the lamp, the method comprising the acts of:

wirelessly transmitting data included in a control signal from an interface to a lamp controller connected to the at least one electrode;

wirelessly receiving the data included in the control signal by the at least one electrode acting as an antenna; and

controlling the emission of the light in response to the data included in the control signal received by the at least one electrode located inside the body.

14. (New) The method of claim 12, wherein the controlling act includes at least one of turning the lamp on or off, and dimming the emission of the light from the lamp.